1. Product and company identification

Product name: Sikalastic®-621 TC (Decothane® SP)
Supplier: Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Telephone: (201) 933-8800
Telefax: (201) 804-1076
Emergency telephone: CHEMTREC: 800-424-9300
e-mail address of person responsible for this SDS: INTERNATIONAL: 703-527-3887
Manufacturer: Sika Corporation, Operations
201 Polito Avenue
Lyndhurst, NJ 07071
www.sikausa.com
Telephone: (201) 933 - 8800
Chemical family: Polyurethane

2. Hazards identification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Potential Health Effects**

- **Inhalation**: Harmful if inhaled.
  - May cause allergic respiratory reaction.
- **Skin**: May cause allergic skin reaction.
- **Eyes**: May cause eye irritation.
- **Ingestion**: May cause gastrointestinal disturbance.
- **Warning**: Causes central nervous system depression
  - Possible cancer hazard. Contains material which may cause cancer based on animal data.

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>titanium dioxide</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
</tr>
<tr>
<td>triphenyl-phosphate</td>
<td>115-86-6</td>
</tr>
<tr>
<td>propyl acetate</td>
<td>109-60-4</td>
</tr>
<tr>
<td>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</td>
<td>4098-71-9</td>
</tr>
</tbody>
</table>
There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First aid procedures

Inhalation
If inhaled, remove to fresh air.
If breathing is difficult, trained personnel should give oxygen.
If not breathing, give artificial respiration.
Get medical attention immediately.

Skin contact
In case of contact, immediately flush skin with soap and plenty of water.
Remove contaminated clothing and shoes.
Wash clothing before reuse.
Get medical attention immediately if symptoms occur.

Eye contact
If easy to do, remove contact lens, if worn.
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention.

Ingestion
If swallowed, contact a poison control center or physician immediately.
Do NOT induce vomiting unless directed to do so by medical personnel
Never give anything by mouth to an unconscious person.

Notes to physician

Treatment
No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Fire fighting

Suitable extinguishing media
Foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media
Water

Further information
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Protective equipment and precautions for firefighters

Specific hazards during fire fighting
Combustible liquid
Do not use a solid water stream as it may scatter and spread fire.
Burning produces irritant fumes.
Risk of a subsequent explosion.
In a fire or if heated, a pressure increase will occur and the container may burst.
Cool closed containers exposed to fire with water spray.

**Special protective equipment for firefighters**

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Exposure to decomposition products may be a hazard to health.

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**6. Accidental release measures**

**Personal precautions**
Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
No action shall be taken involving any personal risk without suitable training.
Keep people away from and upwind of spill/leak.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Beware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.
Material can create slippery conditions.

**Environmental precautions**
Local authorities should be advised if significant spillages cannot be contained.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Methods for containment and cleaning up**
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Large spills should be collected mechanically (remove by pumping) for disposal.
For large spills, use water spray to disperse vapors, flush spill area.

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**7. Handling and storage**

**Handling**
For personal protection see section 8.
Avoid inhalation, ingestion and contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
Use explosion-proof equipment.
No sparking tools should be used.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Ensure all equipment is electrically grounded before beginning transfer operations.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Storage**
Vapors are heavier than air and may spread along floors.
To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.
Keep product and empty container away from heat and sources of...
8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Content %</th>
<th>Basis *</th>
<th>Value</th>
<th>Exposure limit(s) / Form of exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>triphenyl-phosphate</td>
<td>115-86-6</td>
<td>1 - 5</td>
<td>ACGIH</td>
<td>TWA</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P1</td>
<td>TWA</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P0</td>
<td>TWA</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate</td>
<td>4098-71-9</td>
<td>1 - 5</td>
<td>ACGIH</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P0</td>
<td>TWA</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P0</td>
<td>STEL</td>
<td>0.02 ppm</td>
</tr>
<tr>
<td>propyl acetate</td>
<td>109-60-4</td>
<td>1 - 5</td>
<td>ACGIH</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>ACGIH</td>
<td>STEL</td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P1</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P0</td>
<td>TWA</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 - 5</td>
<td>OSHA P0</td>
<td>STEL</td>
<td>250 ppm</td>
</tr>
</tbody>
</table>

*Basis*
- ACGIH. Threshold Limit Values (TLV)
- OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)
- OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
- OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
- OSHA Z3. Table Z-3, Mineral Dust

Engineering measures
- Use explosion-proof equipment.
- Use of adequate ventilation should be sufficient to control worker
exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

**Personal protective equipment**

**Eye protection**
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Hand protection**
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Skin and body protection**
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Respiratory protection**
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hygiene measures**
Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove respiratory and skin/eye protection only after vapors have been cleared from the area. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

### 9. Physical and chemical properties

**Appearance**
- **Form**: paste
- **Color**: various
- **Odor**: ester-like

**Safety data**
- **Flash point**: ca. 115.0 °F (46.1 °C)
- **Lower explosion limit**: 1 % (V)
- **Upper explosion limit**: 10.8 % (V)
- **Boiling point/boiling range**: 293 °F (145 °C)
- **Density**: ca. 1.44 g/cm³ at 68 °F (20 °C)
10. Stability and reactivity

Stability
Stable under normal conditions.

Conditions to avoid
Extremes of temperature and direct sunlight.
Do not allow vapor to accumulate in low or confined areas.
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Avoid all possible sources of ignition (spark or flame).

Materials to avoid
oxidizing materials

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute oral toxicity
Component: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (IPDI)
LD50 Oral rat
Dose: 4,814 mg/kg

Acute dermal toxicity
Component: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (IPDI)
LD50 Dermal rat
Dose: > 7,000 mg/kg

Acute inhalation toxicity
Component: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate (IPDI)
LC50 rat
Exposure time: 4 h
Dose: 0.04 mg/l

Chronic Exposure
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Carcinogenicity

IARC
Group 2B: Possibly carcinogenic to humans

titanium dioxide 13463-67-7

OSHA
not applicable

NTP
not applicable

ACGIH
not applicable
12. Ecological information

Other information
Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Water polluting material. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May be harmful to the environment if released in large quantities.

13. Disposal considerations

Waste disposal methods
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT
UN number 1263
Description of the goods Paint related material
Class 3
Packing group III
Labels 3
Emergency Response 128
Guidebook Number

IATA
UN number 1263
Description of the goods Paint related material
Class 3
Packing group III
Labels 3
Packing instruction (cargo aircraft) 386
Packing instruction (passenger aircraft) 355
Packing instruction (passenger aircraft) Y344

IMDG
UN number 1263
Description of the goods PAINT RELATED MATERIAL
Class 3
Packing group III
Labels 3
EmS Number 1 F-E
EmS Number 2 S-E
Marine pollutant yes
DOT & Domestic Aircraft: As per 49 CFR 171.4, Non-bulk materials (<119 Gal) are excepted from being classed as a Marine Pollutant.
DOT: For Limited Quantity exceptions reference 49 CFR 173.150 (b)
IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4
IATA: For Limited Quantity provisions reference IATA DGR Section 2.7 and other applicable sections.

Other information
This product contains DOT and International Marine Pollutant purges.
DOT Combustible Liquid Exception does not apply since the product meets the definition of another hazard class.

15. Regulatory information

Federal Regulations
TSCA Status
- Listed on TSCA

SARA 311/312 Hazards
- Fire Hazard
- Acute Health Hazard
- Chronic Health Hazard

EPCRA - Emergency Planning Community Right - To - Know

SARA 302 Ingredients
- 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate 4098-71-9 1.34%

SARA 313 Ingredients
- 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate 4098-71-9 1.34%
- zinc oxide 1314-13-2 1%

Clean Air Act

Ozone-Depletion Potential
- This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

State Regulations

California Prop. 65
Ingredients
- WARNING! This product contains a chemical known in the State of California to cause cancer.

16. Other information
HMIS Classification

Health 3
Flammability 2
Physical Hazard 0
Personal Protection B

NFPA Classification

Caution: HMIS® ratings and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® and NFPA ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® and NFPA ratings are to be used with a fully implemented HMIS® and NFPA program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). NFPA or the National Fire Protection Association is a private non-profit organization and an authoritative source of technical background, data, and consumer advice on fire protection, problems and prevention. Please note HMIS® attempts to convey full health warning information to all employees while NFPA is meant primarily for fire fighters and other emergency responders.

Notes to Reader
The information contained in this Material Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Technical Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

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